

ABSTRACT OF THE DISCLOSURE

A method of generating an expected TOS during translation of instructions. The method includes translating a first block of instructions
5 executable in a first processor architecture, into a translated first block of instructions executable in a second processor architecture, wherein the translated first block of instructions operate with a stack of data entry positions. During the translation, an expected Top of Stack (TOS) position in the stack for the first block of code is generated.

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